

# SPECIFICATION 10PPM GASOIL

10 PPM GASOIL SPECS	UNIT	INTER. CODE**	LIMITS	
			MIN.	MAX.
Cetane number		EN ISO 5165	51	-
Cetane Index, calculated	No.	EN ISO 4264	46	-
Density at 15 deg C	kg/lt	EN ISO 3675 / 12185	0,82	0,845
Sulphur	mg/kg	EN ISO 20847 / 8754		10
Distillation				
Recovered at 250 deg C	vol.%	EN ISO 3405	-	<65
Recovered at 350 deg C			85	-
95 pct Recovered deg C	Deg C		-	360
Polycyclic aromatic hydrocarbons	%(m/m)	EN 12916	-	8
Flash Point	Deg C	EN 22719	55	-
Viscosity at 40 deg C	mm <sup>2</sup> /s	EN ISO 3104	2	4,5
Carbon Residue (on 10 pct residual)	%(m/m)	EN ISO 10370	-	0,3
Copper Strip Corrosion (3 hrs at 50 deg C)		EN ISO 2160		1
Ash	%(m/m)	EN ISO 6245	-	0,01
Particulate Matter	mg/kg	EN 12662	-	24
Oxidation Stability	g/m <sup>3</sup>	EN 12205	-	25
Lubricity, corrected wear scar	µm	EN ISO 12156-1	-	460
diameter (wsd 1,4) at 60 deg C				
Fatty acid methyl esters(FAME)	vol.%	EN 14078	-	7
Water	mg/kg	EN ISO 12937	-	200
Cold Filter Plugging Point(CFPP)				
Winter Grade(a)			-	-15
Summer Grade(b)	Deg C	EN 116	-	5

### SPECIFICATION AUTOMOTIVE GAS OIL

PARAMETER	TEST METHOD IP ASTM	LIMIT
Specific gravity <sub>15/15°C</sub>	160/D1298	0.820 min
Distillation: Recovered @ 357°C %Vol. EBP °	123/D86	90 min 385 max
Colour (ASTM)	D 150000	3 max
Flash Point °C	34/D93	66 min
Total sulphur, %wt	x-ray	0.03 max
Copper Corrosion (3 hr @ 100°C)	154/D130	No.1 Strip max
Kinematic Viscosity @38°C, Cst	71/D445	1.6 - 5.5
Cloud Point, °C	219/D2500	4.0 max
Carbon Residue, %wt	D189	0.15 max
Strong Acid Number(mg KOH/gm)	139/D974	Nil
Strong Acid Number(mg KOH/gm)	139/D974	0.50 max
Ash Content, %wt	D482	0.01 max
Water by distillation	74/D95	0.05% max
Diesel Index	IP 21	47 min

**GAS OIL GRADE L-02-62**  
**SPECIFICATION RUSSIAN STANDARD GOST 305-82**

	<b>COMPONENT</b>		<b>RESULTS</b>
<b>1</b>	Density at 20 degr, kg/m <sup>3</sup>	Max.	860
<b>2</b>	Fraction composition (Distillation): a) 50% distilled at, C <sup>o</sup> , max a) 96% distilled at, C <sup>o</sup> , max	Max. Max.	280 360
<b>3</b>	Cetane index	Min.	45
<b>4</b>	Kinematic viscosity at 20% C <sup>o</sup> mm <sup>2</sup> (cSt)	Min./Max.	3.0 - 6.0
<b>5</b>	Acidity, mg KON for 100 cm <sup>3</sup> of fuel	Max.	10
<b>6</b>	Ash content, %	Max.	0.01
<b>7</b>	Sulphur content, %	Max.	0.2
<b>8</b>	Mercaptan sulphur content, %	Max.	0.02
<b>9</b>	Hydrogen sulphide content, %		Absent
<b>10</b>	Copper plate test		Passed
<b>11</b>	Water soluble acids & alkalis		Absent
<b>12</b>	Content of mechanical impurities		Absent
<b>13</b>	Water content		Absent
<b>14</b>	Flash point determined in a closed cup, C <sup>o</sup>	Min.	62
<b>15</b>	Pour point, C <sup>o</sup>	Max.	-10
<b>16</b>	Turbidity temperature, C <sup>o</sup>	Max.	-5
<b>17</b>	Iodine number, g/iodine per 100 ml of fuel	Max.	5.0
<b>18</b>	Actual resins, mg per 100 cm <sup>3</sup> of fuel	Max.	25
<b>19</b>	Coking capability of 10% residue, %	Max.	0.2